

Patent Number(s): JP48079898-A

Title: High mol-wt polyester with good whiteness - prepd by melting bis-(beta-hydroxyethyl) terephthalate quenching and finally poly condensing with a catalyst

Patent Assignee Name(s) and Code(s): KURARAY CO LTD (KURS-C)

Derwent Primary Accession Number: 1974-33336V [18]

Patents Cited by Inventor: 0

Articles Cited by Inventor: 0

Patents Cited by Examiner: 0

Citing Patents: 0

Articles Cited by Examiner: 0

Abstract:

A mixt. of bis(beta-hydroxyethyl) terephthalate (I) having extinction coeffs. 1.70 plus-or-minus 0.30 x 10⁴ and 1.80 plus-or-minus 0.30 x 10³ l./mole-cm at 242 and 288 mμ, resp., in 95% aq. EtOH and >10% 2-4C glycol is melted at >90 degrees, quenched, washed or recrystd. with H₂O, hydrocarbon, halogenated hydrocarbon, alc., ether, ketone, carboxylic acid, lower alkyl carboxylate, mercaptan, and/or sulphide, dried, heated 10-120 min. at 100-290 degrees, and polycondensed in the presence of <0.1 wt.% polycondensation catalyst at high temp. and reduced pressure. The product has good whiteness and high mol. wt.

Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds)

Derwent Manual Code(s): A05-E04A; A10-G01

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